

N° 12,231

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Date of Application, 20th May, 1911

Complete Specification Left, 18th Nov., 1911—Accepted, 28th Mar., 1912

PROVISIONAL SPECIFICATION.

Improved Construction of Non-skid Stud for India Rubber Tyres or Tyre Covers.

I, WILLIAM EDWARD CARMONT, of 55, Queens Road, Richmond, Surrey, Engineer, do hereby declare the nature of this invention to be as follows:—

This invention relates to that class of non skid stud for india rubber tyres or tyre covers patented in Great Britain and Ireland and Isle of Man by me on the 5th day of February, 1910, No. 3219 and consists of an improvement in the construction of such studs whereby same may be more easily screwed into the india rubber.

According to my present invention instead of forming the head of the stud to form a broader bearing on the pneumatic tyre as in my previous patent I construct the head cheese shaped or with a square or with a triangle, or it may be of any other shape providing such shaped head will allow of its being engaged by a tool so that the coarse cut screw can be screwed into the tread surface of the tyre or tyre cover and leave the head level with, slightly recessed in, or projecting from the tread surface of the tyre.

15 In my previous patent I had great difficulty in screwing in the stud from the tread surface of the tyre or tyre cover because a tool could not properly grip the screw without damaging it, but by this invention in forming a head to the screw and engaging the head by a tool the stud can be easily screwed home without damaging the stud.

20 By this invention when the tyre is new the heads will act as the non skid portion of the studs but when they get worn down the edges of the screw portion will act as non skid in the same manner as my previous patent.

Dated this 20th day of May, 1911.

25 H. GARDNER & SON,
Chartered Patent Agents,
173—4—5, Fleet Street, London, E.C.,
Agents for the said:—
William Edward Carmont.

COMPLETE SPECIFICATION.

30 Improved Construction of Non-skid Stud for India Rubber Tyres or Tyre Covers.

I, WILLIAM EDWARD CARMONT, of 55, Queens Road, Richmond, Surrey, Engineer, do hereby declare the nature of this invention, and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

35 This invention relates to that class of non skid stud for india rubber tyres or tyre covers patented in Great Britain and Ireland and Isle of Man by me on the 9th day of February, 1910, No. 3219 and consists of an improvement in the con-

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Improved Construction of Non-skid Stud for India Rubber Tyres or Tyre Covers.

struction of such studs whereby same may be more easily screwed into the india rubber.

My present invention will be readily understood from the following description aided by the annexed drawings in which Figure 1 is a side elevation and Figure 2 a plan of my non skid stud having a round or cheese shaped head. 5

Figures 3 and 4 are plans showing different shapes of heads to the stud.

Figure 5 is a section of a solid tyre showing my stud applied.

Figure 6 is a section of a portion of a tyre cover with my non skid stud applied.

Figure 7 is a section of another form of tyre cover with my non skid stud applied. 10

According to my present invention instead of forming the head of the stud to form a broader bearing on the pneumatic tyre as in my previous patent I construct the head A cheese shaped as at Figures 1, 2, 5 and 6, or with a square as at Figure 3, or with a triangle as at Figure 4, or it may be of any other shape providing such shaped head will allow of its being engaged by a tool so that the coarse cut screw B can be screwed into the tread surface of the tyre or tyre cover C and leave the head level with slightly recessed in or projecting from the tread surface of the tyre. 15

In my previous patent I had great difficulty in screwing in the stud from the tread surface of the tyre or tyre cover because a tool could not properly grip the screw without damaging it, but by this invention in forming a head to screw and engaging the head by a tool the stud can be easily screwed home without damaging the stud. 20

By this invention when the tyre is new the heads will act as the non skid portion of the studs but when they get worn down the edges of the screw portion will act as the non skid in the same manner as in my previous patent. 25

I am aware that it has been proposed to construct a screw threaded stud with a head provided with a slot or holes whereby the stud can be screwed through the tyre for its narrow end to form the wearing surface, and also that screw studs have been screwed into eyelets riveted to the tyre, and that screw threaded studs have been embedded in the tyre (with the heads projecting) before the tyre is vulcanised and I make no claim to such, but 30

Having now particularly described and ascertained the nature of my said invention, and in what manner the same is to be performed, I declare that what I claim is:— 35

In coarse screw non skid studs for india rubber tyres or tyre covers, providing one end with a head of such a shape that it can be held at the head portion by a tool and screwed into a tyre or tyre cover from the tread surface with the head flush with, slightly recessed in or projecting from the tread surface, substantially as described and as shown on the annexed drawings. 40

Dated this 18th day of November, 1911.

H. GARDNER & SON,
Chartered Patent Agents,
173—4—5, Fleet Street, London, E.C.,
Agents for the said:—
William Edward Carmont. 45

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[This Drawing is a reproduction of the Original on a reduced scale.]

Fig.1. Fig.2. Fig.3. Fig.4.



Fig.5.

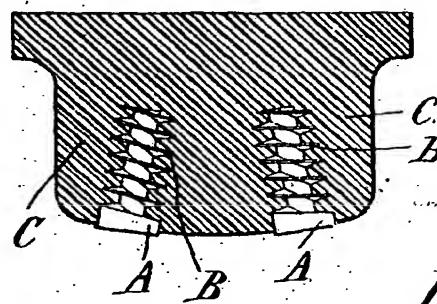
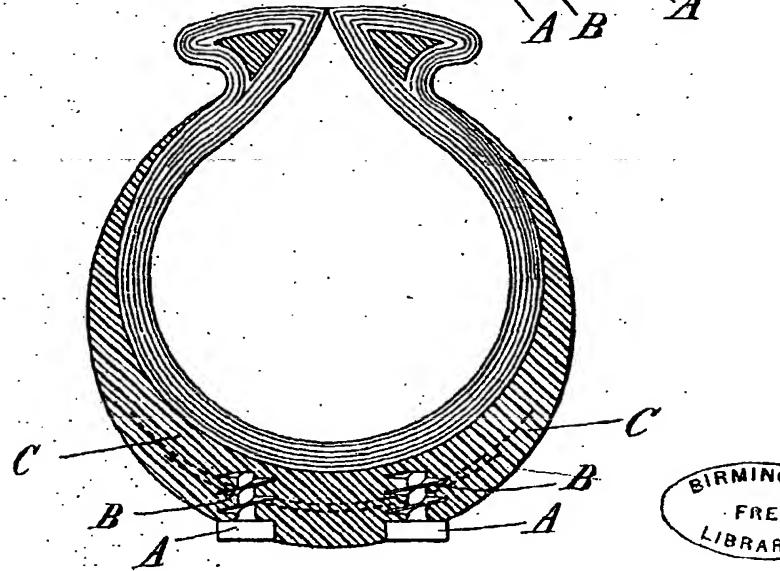


Fig.7.



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